

## Abstract:

The invention relates to a method for performing authentication in a communication device (1), in which identification data is stored in connection with the communication device. In the method, the authentication is divided in at least two authentication steps, wherein in the first authentication step, at least one security inquiry containing identification data of the communication device (1) is transmitted to the communication device (1). In the communication device (1), said identification data contained in the security inquiry is examined to find out if the identification data matches with the identification data stored in the communication device (1). If the comparison shows that the identification data do not match, a time control is started, wherein the processing of the next security inquiry message to be transmitted to the communication device (1) is started in the communication device (1) after the expiry of said time control. The second identification step is only taken if the comparison shows that the identification data match.

Fig. 4